



# TECHNICAL DATA SHEET



**IRIS S10**  
PIR MOTION SENSOR

The product adopts good sensitivity detector and integrated circuit. It gathers automatism, convenience, safety, saving-energy and practical functions. It utilizes the infrared energy from human as control-signal source and it can start the load at once when one enters detection field. It can identify day and night automatically. It is easy to install and used widely.

## TECHNICAL SPECIFICATION

Voltage	: 220–240V/AC
Power Frequency	: 50/60Hz
Ambient Light	: <3–2000 LUX (adjustable)
Time Delay	: Min. 10 sec $\pm$ 3 sec Max. 15 min $\pm$ 2 min
Rated Load	: Max. 2000W  1000W 
Detection Range	: 360°
Distance	: Max. 10m (<24°C)
Working Temperature	: -20°C ~ +45°C
Working Humidity	: <93% RH
Power Consumption	: approx. 0.6W
Installation Height	: 2.2–6m

## FUNCTION

- Can identify day and night: The consumer can adjust working state in different ambient light. It can work in the daytime and at night when it is adjusted on the “sun” position (max).
- It can work in the ambient light less than 3LUX when it is adjusted on the “3” position (min). As for the adjustment pattern, please refer to the testing pattern. Time-Delay is added continually: When it receives the second induction signals within the first induction, it will restart to time from the moment.



Good sensitivity

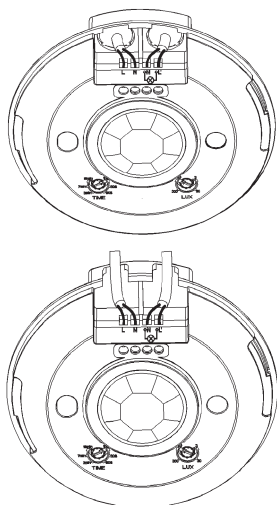


10M



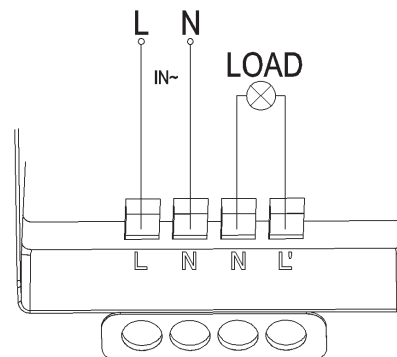
Poor sensitivity

## CONNECTION WIRE DIAGRAM APPLICATION



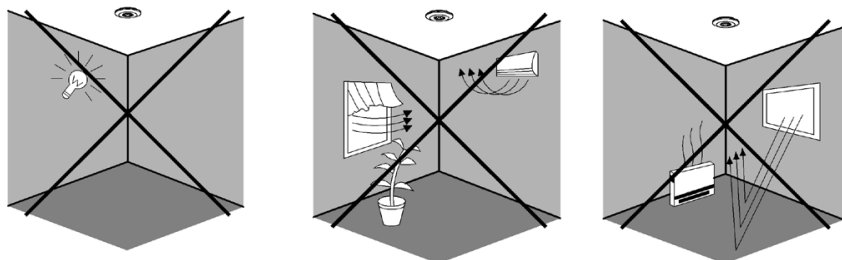
The wires come in and out from the bottom

The wires come in and out from the side



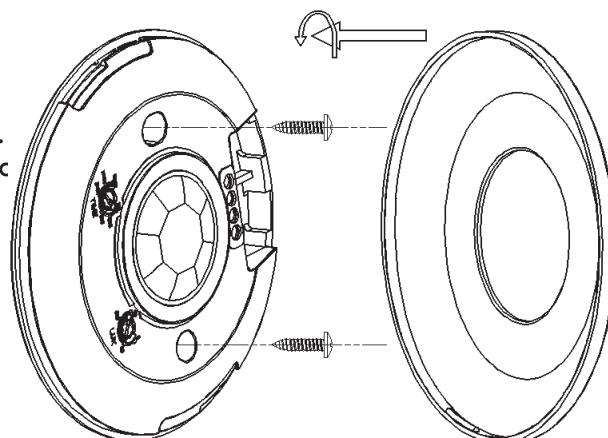
## INSTALLATION

- As the detector responds to changes in temperature, avoid the following situations:
- Avoid pointing the detector towards objects with highly reflective surfaces, such as mirrors etc.
- Avoid mounting the detector near heat sources, such as heating vents, air conditioning units, light etc.
- Avoid pointing the detector towards objects that may move in the wind, such as curtains, tall plants etc.



## CONNECTION

- Please move the upper cover with anti-clockwise whirl as per the diagram on the right. Connect the power and the load according to the connection wire diagram.
- Fix the bottom on the selected position with the inflated screw. Install back the upper cover on the sensor, then you could switch on the power and test it.

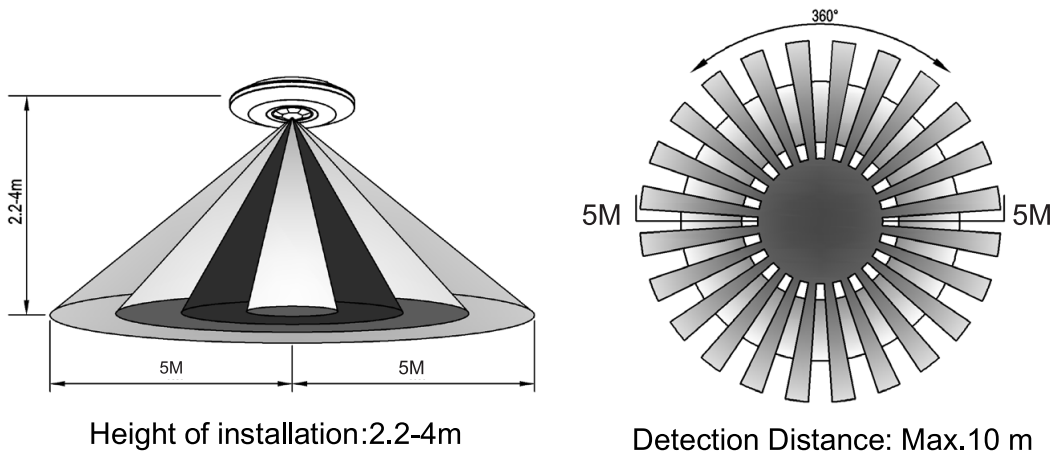


**Warning: Risk of Electric Shock!**

- Installation must be done by a professional electrician
- Disconnect the power supply before beginning
- Shield adjacent live components
- Ensure the device cannot be switched on accidentally



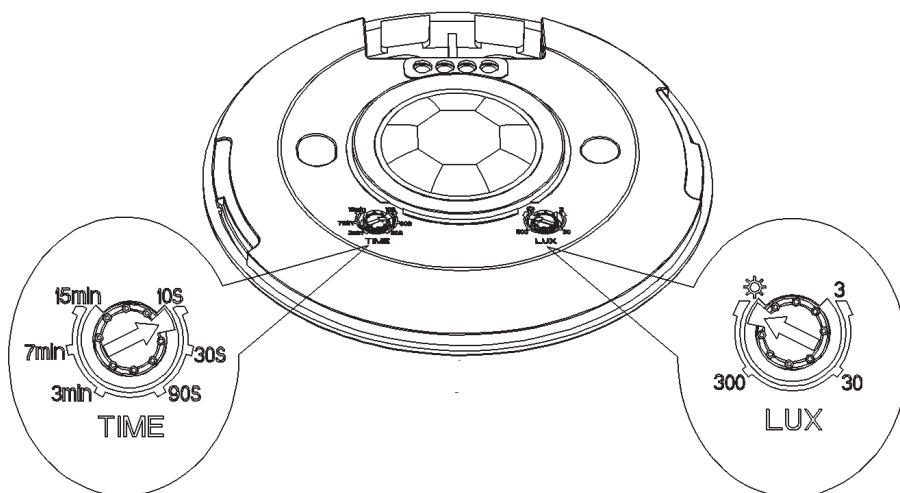
## SENSOR INFORMATION



## TEST

- Turn the TIME knob anti-clockwise on the minimum (10s). Turn the LUX knob clockwise on the maximum (sun). Switch on the power; the sensor and its connected lamp will have no signal at the beginning.
- After Warm-up 30sec, the sensor can start work. If the sensor receives the induction signal, the lamp will turn on. While there is no another induction signal any more, the load should stop working within 10sec±3sec and the lamp would turn off.

Turn LUX knob anti-clockwise on the minimum (3). If the ambient light is more than 3LUX, the sensor would not work and the lamp stop working too. If the ambient light is less than 3LUX (darkness), the sensor would work. Under no induction signal condition, the sensor should stop working within 10sec±3sec.



**Note:** when testing in daylight, please turn LUX knob to (SUN) position, otherwise the sensor lamp could not work! If the lamp is more than 60W, the distance between lamp and sensor should be 60cm at least.

## TROUBLESHOOTING

Malfunction	Cause	Remedy
The load will not work	Wrong light control selected Load faulty Mains is switched OFF	Adjust Setting Change Load Switch ON
The load is always on	Continous movement in detection zone	Check zone setting
The load is ON without any identifiable movement	The sensor not mounted for detecting movement reliably Movement occurred, but not identified by the sensor (movement behind wall, movement of a small object in immediate lamp vicinity etc)	Securely mount enclosure Check zone setting
The load will not work despite movement	Rapid movements are being suppressed to minimize malfunctioning or the detection zone you have set is too small	Check zone setting.